

**DETECTING GENETIC PREDISPOSITION**  
**TO SIGHT-THREATENING DIABETIC RETINOPATHY**

**ABSTRACT OF THE DISCLOSURE**

A method and kit for predicting increased risk of sight-threatening diabetic retinopathy which includes isolating genomic DNA from a sample from a diabetic patient. The genetic polymorphism pattern for the genes IL-1A, IL-1B and IL-1RN is then identified in the DNA. The identified pattern is compared with control patterns of known polymorphisms, and patients expressing a genetic polymorphism pattern associated with increased risk of sight-threatening diabetic retinopathy are identified.

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